

ABSTRACT

In a CDMA data communication system capable of variable rate data
5 transmission, a time-division power assignment cyclically reduces the carrier
power level to at least one sector to reduce interference in neighboring sectors.
The base station determines a time-division power assignment for each sector
and generates signals according to the power assignment. The mobile unit
generates filter coefficients corresponding to each power level. The mobile unit
10 estimates Carrier Signal-to-Interference (C/I) to determine a data rate for each
power level. Previous iterations of the equalizer are stored and used to refine
future estimates.